This listing of claims will replace all prior versions and listings of claims in the application:

PENDING CLAIMS

1. (Previously presented) A process for the preparation of an unsupported olefin polymerisation catalyst comprising:

a) reacting an aluminoxane and a Lewis base in an optionally halogenated hydrocarbon solvent to form a particulate suspension;

b) reacting said suspension with a metallocene complex in an optionally halogenated hydrocarbon solvent; and

c) isolating the unsupported olefin polymerisation catalyst;

wherein said Lewis base comprises an aliphatic or aromatic amine, an ether, phenol, benzyl alcohol, ethylene glycol, glycerol, bisphenol, triethanolamine, butanediol, 4,4'-isopropylidenediphenol, 3-hydroxypropylene oxide, or a mixture thereof.

2. (Previously presented) A process as claimed in claim 1, wherein said Lewis base comprises aniline, benzylamine, 1,4-butanediol diglycidyl ether, or a mixture thereof.

3. (Previously presented) A process as claimed in claim 1, wherein said aluminoxane is methylalumoxane.

4. (Previously presented) A process as claimed in claim 1, wherein the optionally halogenated hydrocarbon solvent used during step a) comprises an optionally halogenated C_{4-12} alkane or C_{6-12} arylene.

5. (Previously presented) A process as claimed in claim 4, wherein said hydrocarbon solvent comprises toluene or xylene.

6. (Previously presented) A process as claimed in claim 1, wherein the solvent employed in step b) is the same as that employed in step a).

7. (Previously presented) A process as claimed in claim 1, wherein the ratio of aluminium in the aluminoxane to Lewis base is 5 to 40 mol/mol.

8. (Previously presented) A process as claimed in claim 1, wherein the metallocene complex is bis(n-Bu-cyclopentadienyl) zirconium dichloride.

9. (Previously presented) A process as claimed in claim 1, wherein the molar ratio between aluminium in the aluminoxane and the transition metal in metallocene is in the range 20:1 to 1000:1.

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Currently amended) A process as claimed in claim 1, further ~~for the preparation of polyolefins~~ comprising d) polymerising at least one olefin in the presence of ~~an~~ the isolated unsupported olefin polymerisation catalyst ~~as claimed in claim 10~~ of step c).

14. (Previously presented) A process as claimed in claim 13, wherein said polymerisation takes place in the slurry phase.

15. (Currently amended) A process for the preparation of a prepolymerised olefin polymerisation catalyst comprising:

a) reacting an aluminoxane and a Lewis base in an optionally substituted hydrocarbon solvent to form a particulate suspension;

b) reacting said suspension with a metallocene complex in an optionally substituted hydrocarbon solvent to form [[a]] an unsupported catalyst;

c) prepolymerising said catalyst in the presence of an olefin; and

d) isolating the prepolymerised catalyst;

wherein said Lewis base comprises an aliphatic or aromatic amine, an ether, phenol, benzyl alcohol, ethylene glycol, glycerol, bisphenol, triethanolamine, butanediol, 4,4'-isopropylidenediphenol, 3-hydroxypropylene oxide, or a mixture thereof.

16. (Canceled)

17. (Canceled)

18. (Currently amended) A process for the preparation of polyolefins comprising polymerising at least one olefin in the presence of an ~~olefin polymerisation catalyst as claimed in claim 17~~ isolated suspension of unsupported catalyst particles made by the process as claimed in claim 1.

19. (Canceled)